

A photograph of a lush forest. In the foreground, there are several flowering shrubs with bright pink blossoms and green leaves. Behind them, tall, straight tree trunks, likely redwoods, rise vertically. The trunks are covered in thick, green moss. The background is filled with more trees and dense foliage, creating a deep green canopy. The overall atmosphere is serene and natural.

Adapting to Climate Change Resources Agency Plans

Key Points

1. Defining the issue

- Mitigation = Reducing GHG emissions
- Adaptation = Preparing for global warming impacts

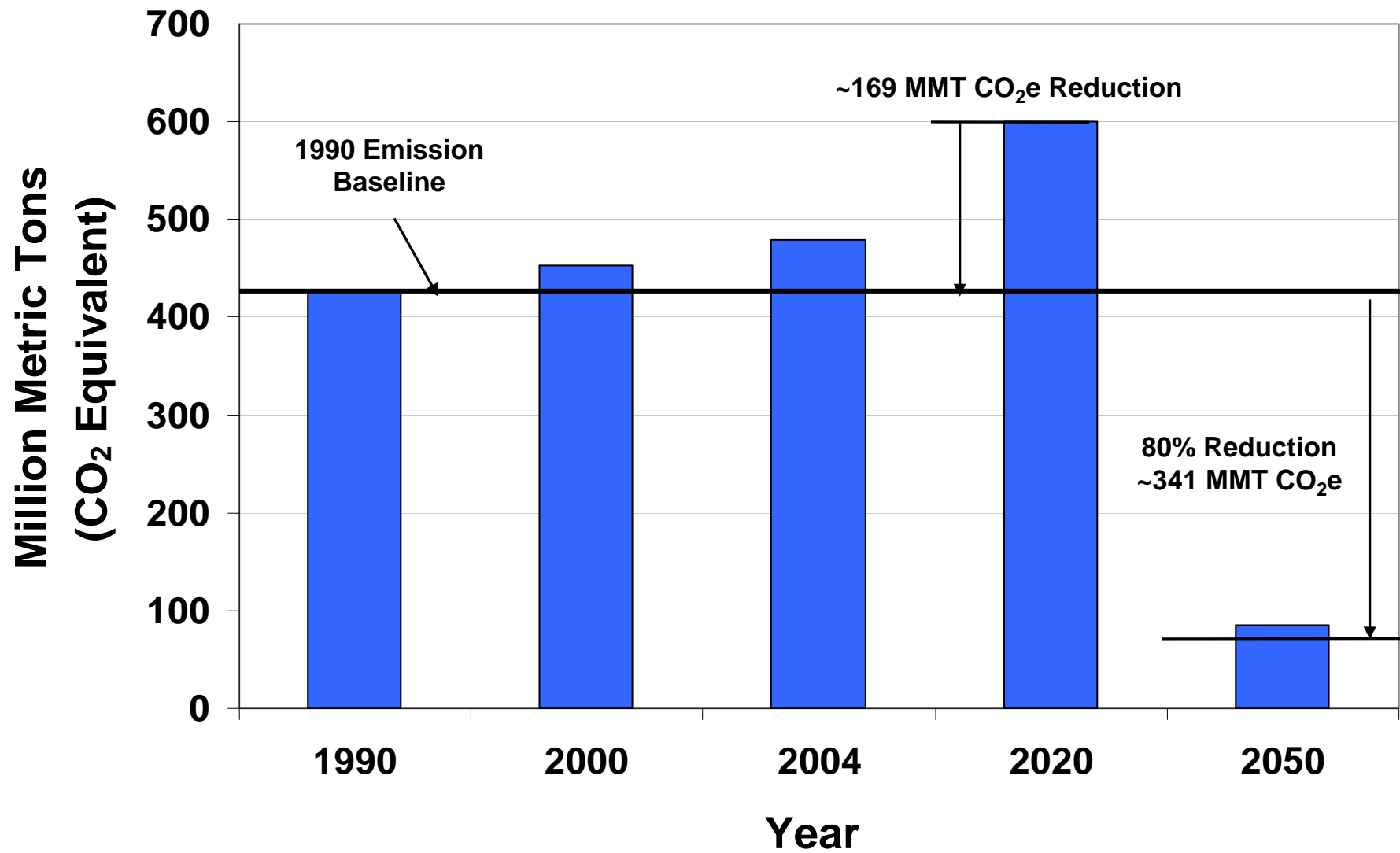
2. What is a Climate Adaptation Strategy (CAS)?

3. Why do we need a CAS?

4. What can you do to develop the CAS?

MITIGATION

ARB Emissions Inventory

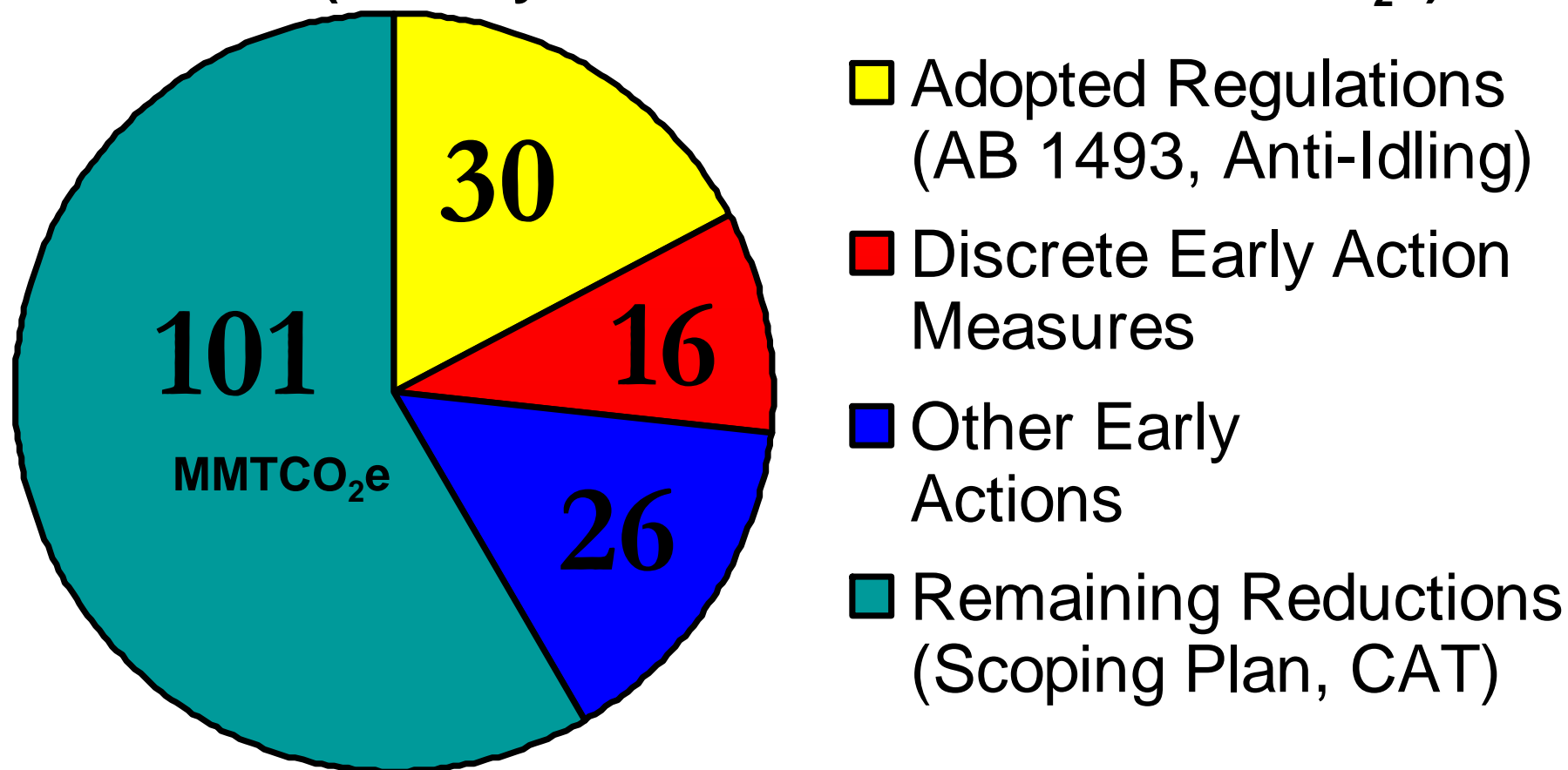


MITIGATION

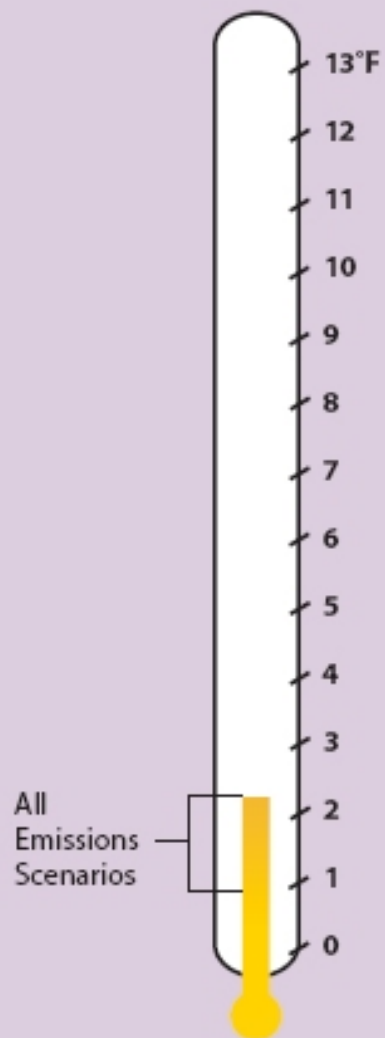
ARB 2020 Emission Reductions

Moving toward the 2020 Target

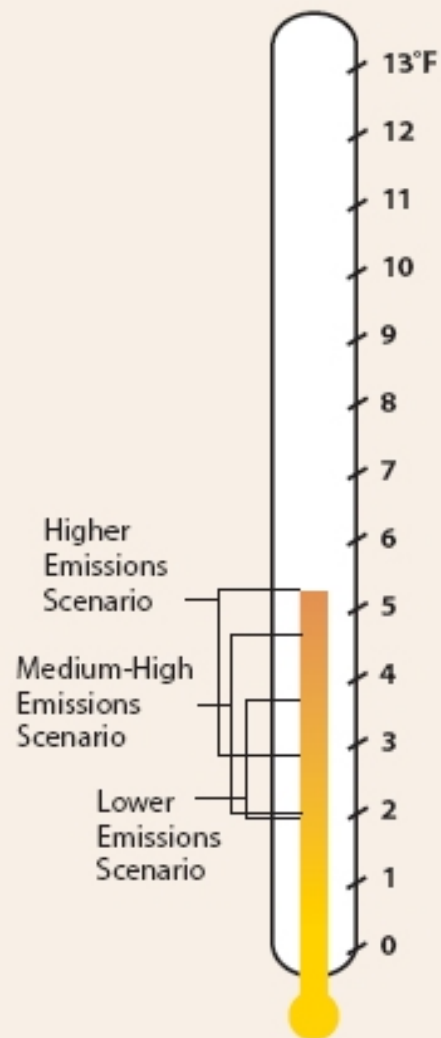
(Already Identified much of 169 MMTCO₂e)



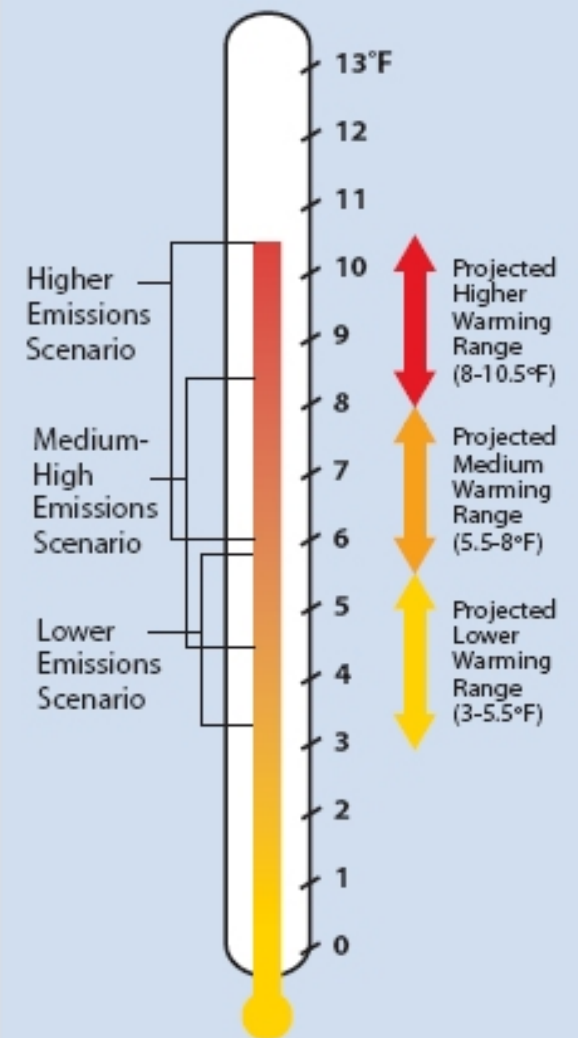
2005–2034



2035–2064

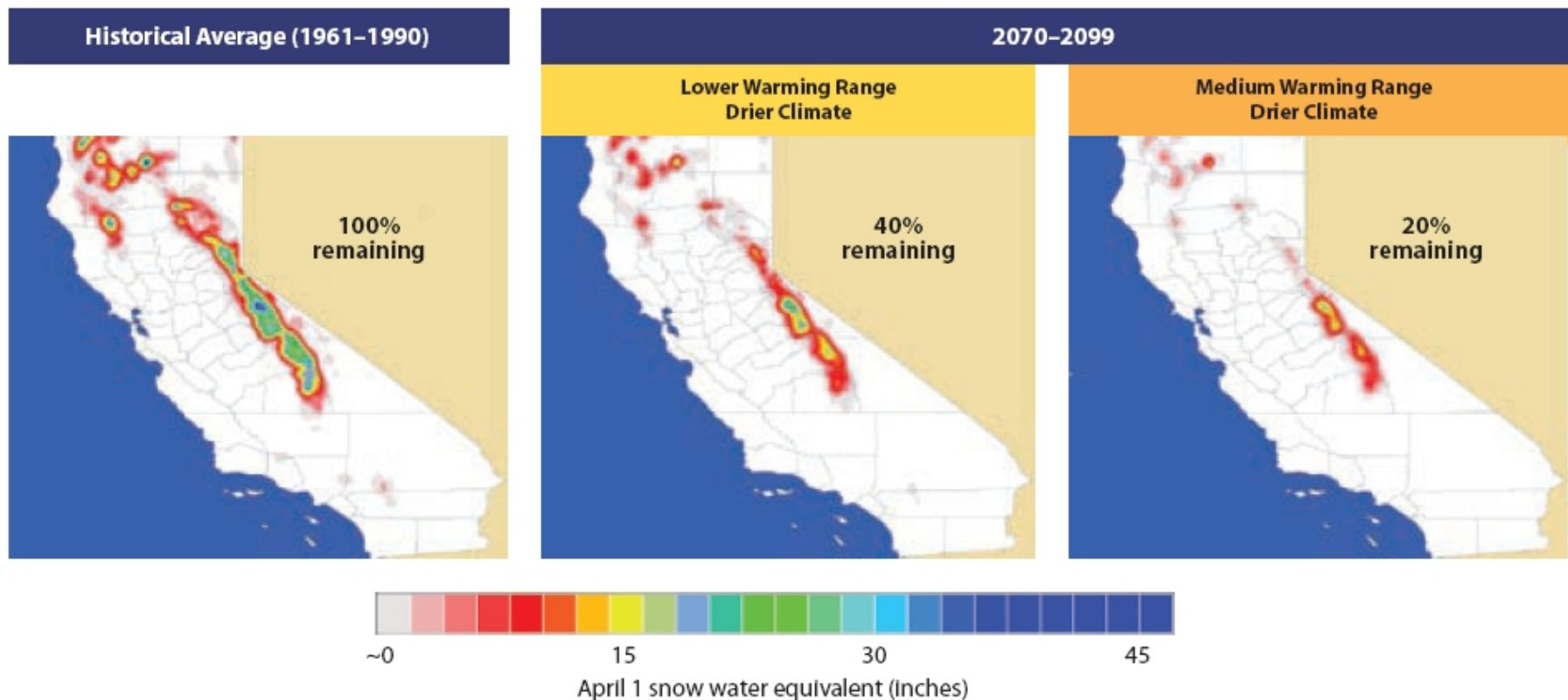


2070–2099

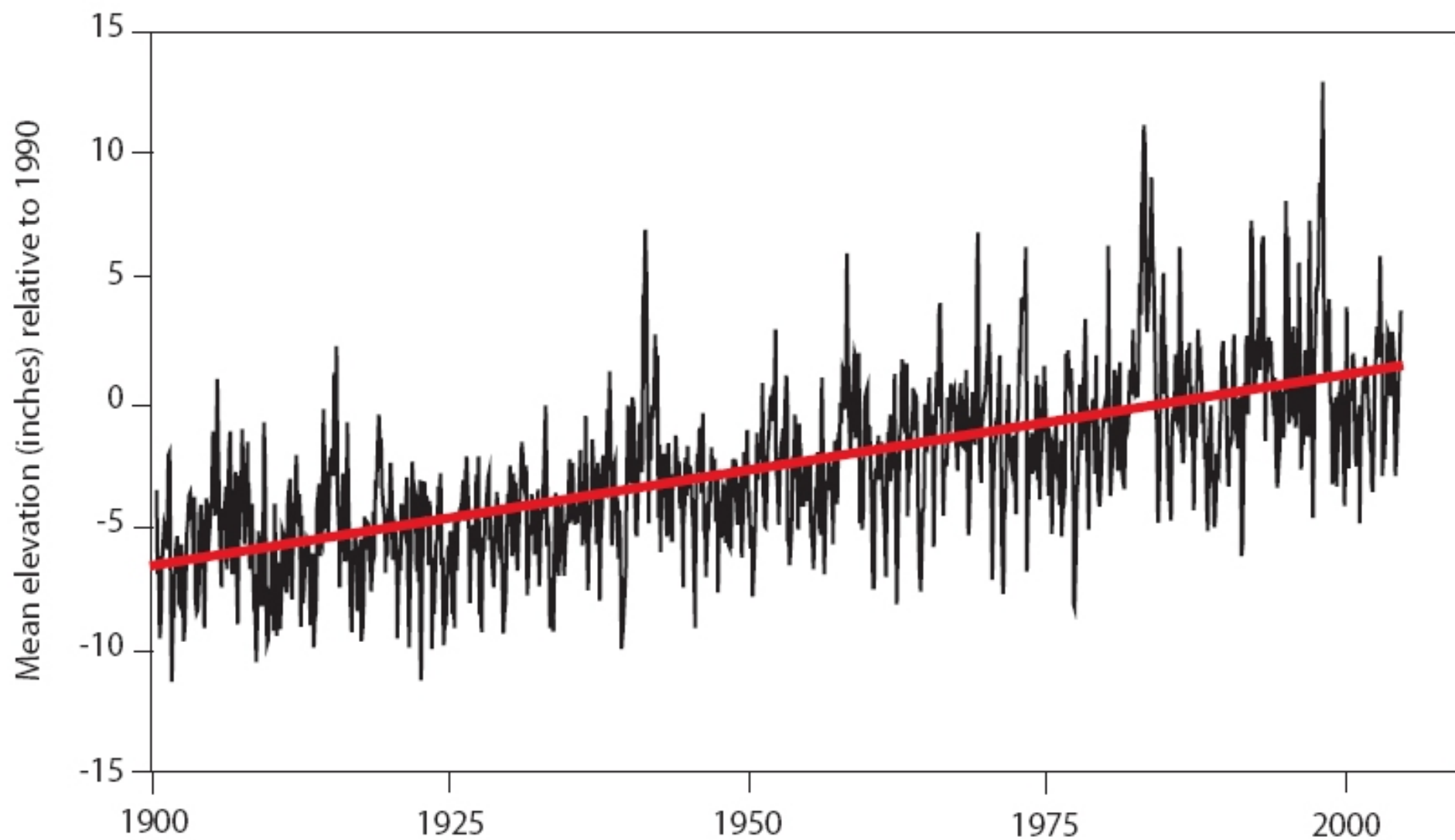


Snowpack will decrease, and we will have earlier snow runoff

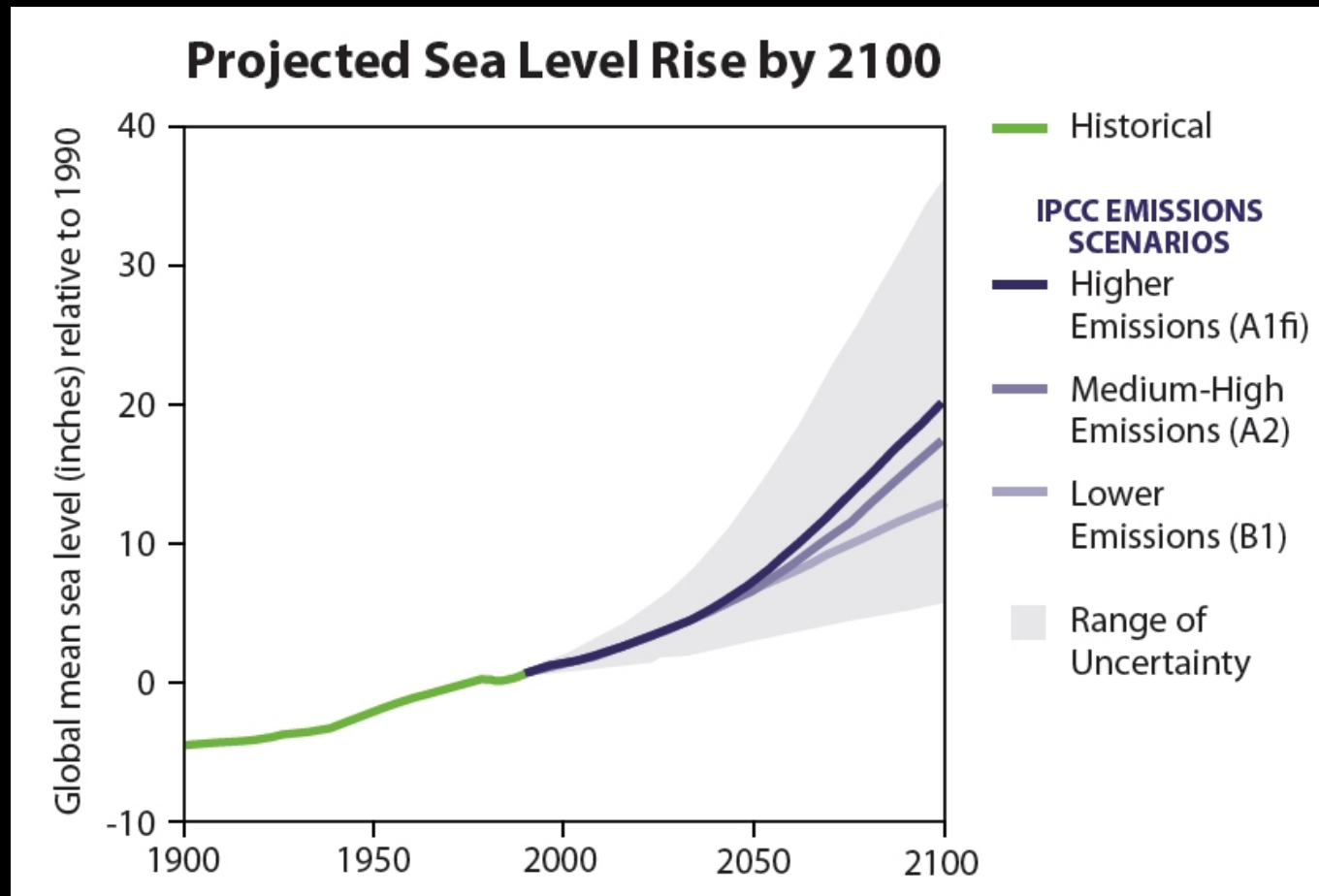
Decreasing California Snowpack



Rising Sea Levels in San Francisco Bay



Sea levels will continue to rise

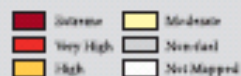


One Meter Sea Level Rise Central and South Bay



STATE OF CALIFORNIA

FIRE THREAT



10. The author's attitude toward the research is best described as



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What is a CAS?

1. No roadmap – has never been done

2. Goals

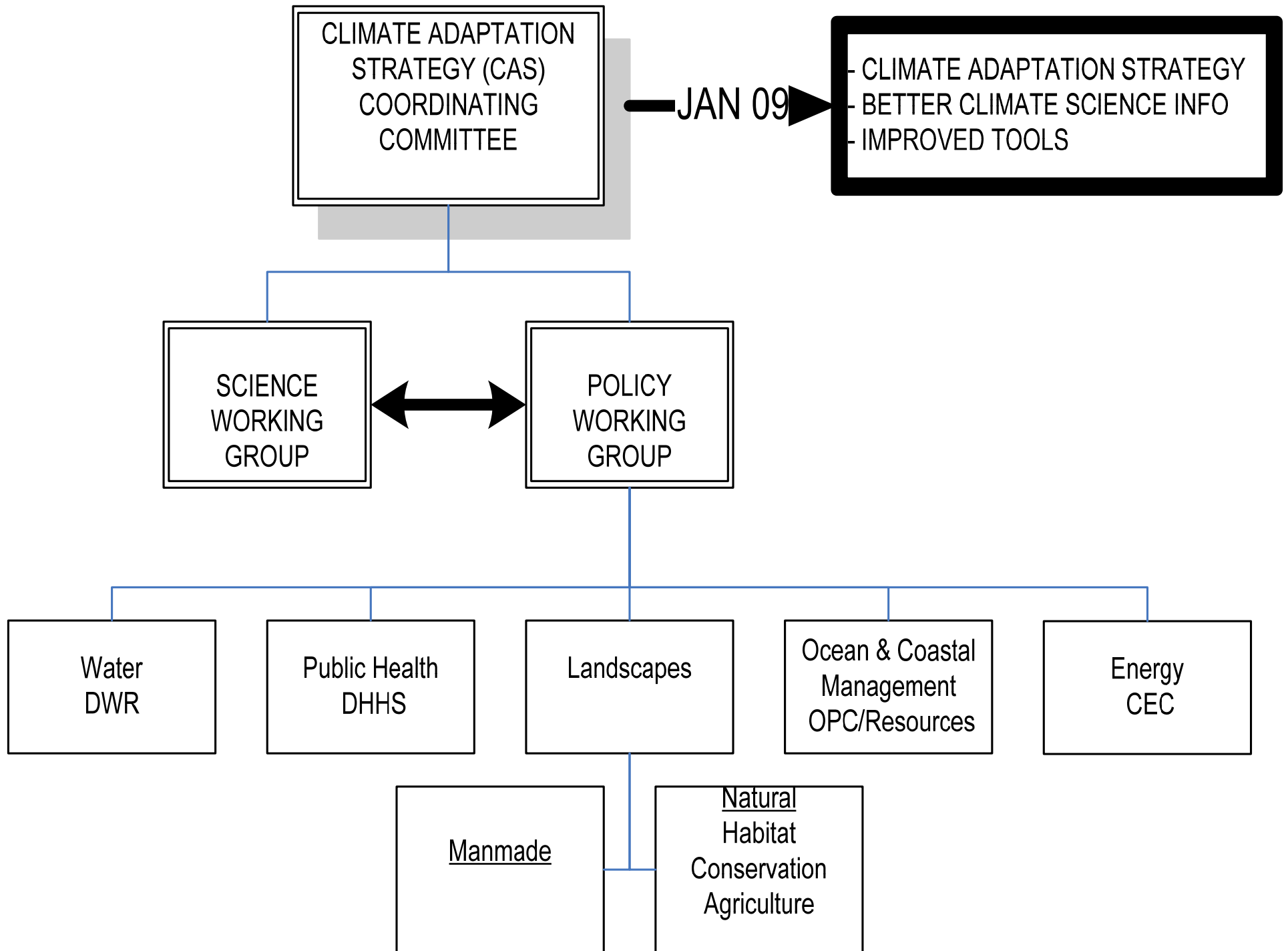
- Better climate vulnerability & risk info
- Better policy guidance and direction
- More coordinated action and prioritization

3. Bottom up effort – dependent on your help

What is a CAS?

1. Known efforts

1. DWR – State Water Plan update
2. CALFIRE – Forest & Rangeland Assessment Update
3. DFG – California Wildlife Action Plan ?
4. Parks –
5. Coastal Commission/OPC/Resources/Coastal Conservancy/BCDC
6. CEC – Impact Update



Why do we need a CAS?

1. Adaptation is a necessity, not a choice
2. Coordination will improve our
 - Planning
 - Funding
 - Awareness
3. Lawsuits
4. Funding - \$20-278 billion to 2050

What Next?

1. Identify your climate science and policy lead for June 19th meeting
2. Prepare to update your “general plan”
3. Review DWR Adaptation “White Paper” and do your own
4. Provide leadership